



DATA SHEET

GigAIO FabreX High Performance Storage Pooling Appliance - Disaggregated NVMe SSD Storage



The GigAIO Storage Pooling Appliance is a 2U rack-mounted NVMe storage enclosure. It can include 1+1 redundant canisters, up to 24 2.5" NVMe SSD drives, and 1+1 redundant 900W 80 Plus Platinum PSUs, to provide high throughput, low latency, resource sharing and high availability.

This Storage Pooling Appliance delivers the next level of storage capacity, performance, and flexibility through disaggregation with the GigAIO FabreX Switch. PCIe Gen 3.0 x16 connectors operating at 128 Gbit/sec bandwidth can connect the array to one or more host computers. The Storage Pooling Appliance is a perfect addition to any high-workload applications such as AI, data analytics and HPC.

Specifications

Enclosure	2U rack-mounted NVMe storage enclosure which supports 24 NVMe SSDs. 17.5" W x 21" D (446 x 536mm)
NVMe Drive	Front access NVMe drive Support 24 2.5" dual-ported NVMe SSDs Individual power control
Canister	1+1 redundant Support 8 mini SAS HD 4X ports for external connectivity PCIe Gen 3 NVMe SSDs and 8 mini SAS HD 4x ports
Cables	Connect appliance to FabreX Switches and Adapter Cards with copper or Active Optical Cable
Cooling	Four 132CFM fans (removable)
Power	900W, 1+1 redundant Hot-pluggable from rear of chassis System input: 89 to 264Vac High efficiency (80Plus Platinum Level) Integrated fans for PSU and Canister cooling controlled by internal microcontroller Support N+1 fan failure
Operating Environment	1 to 35°C 10 to 90% relative humidity 0 to 10,000 feet above sea level Storage Environment -40 to 85°C, 5 to 96% relative humidity 0 to 50,000 feet above sea level Ambient Temperature 5 to 40°C Max Temperature Gradient 20°C per hour Ambient Non-Operating -40 to 60 °C
Humidity	Ambient Operating (Non-condensing) 8 to 85% R.H Ambient Non-Operating (Non-condensing) 8 to 95% R.H

FEATURES

- Up to 24 U2 dual-ported SSD drives
- One or two rear panel PCIe Gen 3 host (upstream) links – x16 link delivers 128 Gbit/sec half-duplex or 256 Gbit/sec full-duplex throughput
- One or two rear panel PCIe Gen 3 target (downstream) links – for additional storage connectivity
- Intelligent enclosure management
- Self-discovery and self-configuration
- Hot swap design for easy maintenance
- Single or redundant power options